

Title (en)  
Silicate phosphor.

Title (de)  
Silikat-Phosphor.

Title (fr)  
Matière luminescente à base de silicate.

Publication  
**EP 0254066 A1 19880127 (EN)**

Application  
**EP 87109136 A 19870625**

Priority  
• JP 14803586 A 19860626  
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Abstract (en)  
A silicate phosphor comprising manganese as an activator, a trivalent element and a pentavalent element, wherein said trivalent element is at least one element selected from the group consisting of boron and indium, said pentavalent element is at least one element selected from the group consisting of arsenic, antimony and bismuth, the content of the trivalent element is from  $1 \times 10^{-4}$  to  $2 \times 10^{-2}$  gram-atom/mol, the content of the pentavalent element is not more than  $3 \times 10^{-3}$  gram-atom/mol, and the molar ratio of the trivalent element to the pentavalent element (trivalent element/pentavalent element) is at least 1.5.

IPC 1-7  
**C09K 11/74**; **C09K 11/75**

IPC 8 full level  
**C09K 11/74** (2006.01); **C09K 11/75** (2006.01)

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**C09K 11/57** (2013.01 - KR); **C09K 11/7442** (2013.01 - EP US); **C09K 11/757** (2013.01 - EP US)

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